



UNIVERSITY OF TORONTO  
FACULTY OF KINESIOLOGY & PHYSICAL EDUCATION

**JOB POSTING – POSTDOCTORAL FELLOW**

**Area of Research:** Human exercise muscle physiology and nutrition

**Description of Duties:** Dr. Jenna Gillen, co-lead of the ‘Cardiometabolic, Oncology, Diet and Exercise in Women’ (CODE-W) research centre, in the Faculty of Kinesiology & Physical Education (KPE) at the University of Toronto, invites applications for a 1-year postdoctoral fellowship (possibility for renewal) in the areas of human exercise muscle physiology and nutrition. The successful candidate will lead the muscle physiology outcomes within a large CIHR-funded clinical trial titled ‘Ms. FIT’ investigating the effect of exercise training with or without a dietary intervention on indices of cardiometabolic health among pre- and post-menopausal women. This project operates with a strong “team science” approach involving various trainees (undergraduate to postdoctoral), study staff (research coordinator, assistants, and associates) and both clinical (especially oncology and cardiology) and academic collaborators, including co-PI Dr. Amy Kirkham and lab. Opportunities to present at national/international conferences, lead publications, assist with grant writing and mentor graduate and undergraduate students will be provided. The successful candidate will also have the opportunity to participate in additional ongoing Tri-Agency- and industry-funded research projects within the lab, including collaborative research projects with other KPE faculty members and trainees. CODE-W is equipped with a state-of-the-art wet lab for blood and muscle biopsy analyses, 2 fully equipped exercise testing suites and a metabolic kitchen.

**The ideal candidate will have the following qualifications and skills:**

- Ph.D. in kinesiology, exercise metabolism, muscle physiology, nutrition, or a closely related discipline, with experience in human exercise testing and/or human physiological research. Ph.D. candidates nearing completion will also be considered.
- Expertise using molecular biology methodology (e.g., Western Blotting, immunofluorescence, RT-PCR) to analyze biological samples (e.g., human skeletal muscle) is required.
- Experience with indirect calorimetry, blood sample collection, tissue biopsies, and fitness and strength assessments will be an asset.
- Demonstrated experience and proficiency in writing and publishing scientific manuscripts.
- Strong track record of scholarly research productivity and ability to independently perform research data collection and analysis.
- Exceptional organizational, interpersonal, and communication skills
- Ability to work independently, while also working well as part of a collaborative team
- Experience providing mentorship, direction and support to junior researchers/trainees

**About the University of Toronto and the Faculty of Kinesiology & Physical Education:**

The University of Toronto is Canada’s largest university, and the only Canadian university to be repeatedly among the top 25 of the Times Higher Education World University Rankings. Situated in one of the world’s most diverse cities, The University of Toronto is a global leader in research and teaching. The University of Toronto is also committed to the support and development of postdoctoral research. A centralized postdoctoral office has been created within the School of Graduate Studies to ensure successful training experiences for postdoctoral fellows and resources to prepare for the next step in their careers.

The Faculty of Kinesiology and Physical Education is located off Bloor St. in downtown Toronto. Dr. Gillen's lab is within the newly renovated Goldring Centre for High Performance Sport. The state-of-the-art facility houses cutting-edge laboratory infrastructure to enable human exercise and nutritional testing, and wet lab analyses of biological samples. Dr. Gillen is part of a collaborative group of Faculty researchers that share resources, lab space and expertise, creating a highly dynamic and enriching environment for graduate and postdoctoral trainees.

**Application instructions:** Potential applicants are asked to send a CV, recent academic transcript, a cover letter that outlines your research interests, expertise, and suitability for the position, and full contact details for two referees to Dr. Jenna Gillen ([jenna.gillen@utoronto.ca](mailto:jenna.gillen@utoronto.ca)). Informal inquiries can also be made to Dr. Gillen at any time.

**Closing date:** First consideration given to applications received prior to September 30, 2024 and will continue as they are received until a successful candidate is identified.

**Expected start date:** As early as October 2024, but start date is flexible.

**Term:** This position is for one year and is potentially renewable based on performance and funding.

**Location:** Goldring Centre for High Performance Sport, Faculty of KPE, University of Toronto.

**FTE:** 100%

**Salary:** \$50,000-\$55,000 commensurate with qualifications. Application for external funding is required (with support provided) and upon success, top-up funding would be considered.

The normal hours of work are 40 hours per week for a full-time postdoctoral fellow (pro-rated for those holding a partial appointment) recognizing that the needs of the employee's research and professional development and the needs of the supervisor's research program may require flexibility in the performance of the employee's duties and hours of work.

Employment as a Postdoctoral Fellow at the University of Toronto is covered by the terms of the CUPE 3902 Unit 5 Collective Agreement. This job is posted in accordance with the CUPE 3902 Unit 5 Collective Agreement. The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.